	Application No.	Applicant(s)
Notice of Allowability	10/679,494	OKUMURA ET AL.
	Examiner	Art Unit
	Courtney Thomas	2882
The MAILING DATE of this communication apperation apperation all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communicatio GHTS. This application is subject to	oplication. If not included on will be mailed in due course. THIS
1. X This communication is responsive to preliminary amendment	ent filed 10/07/03.	
2. The allowed claim(s) is/are <u>8-18 and 20-30</u> .		
3.	been received. been received in Application No cuments have been received in this of this communication to file a reply ENT of this application. Itted. Note the attached EXAMINER as reason(s) why the oath or declarate to be submitted. on's Patent Drawing Review (PTO) Amendment / Comment or in the Comment or in the Comment of the drawing he header according to 37 CFR 1.121(Sit of BIOLOGICAL MATERIAL in the comment of the comment of the comment of the drawing header according to 37 CFR 1.121(Sit of BIOLOGICAL MATERIAL in the comment of the co	r national stage application from the complying with the requirements 2'S AMENDMENT or NOTICE OF ation is deficient. -948) attached Office action of ings in the front (not the back) of (d). must be submitted. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 10/07/03 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Da 8), 7. ☐ Examiner's Amenda	te

DETAILED ACTION

Allowable Subject Matter

- 1. Claims 8-18 and 20-30 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:
- 3. As per claim 8 and dependent claim 9, the examiner found no reference in the prior art that disclosed or made obvious a radiation detection system comprising: a rigid printed wiring board on which a photodiode chip, switching chip and data acquisition chip are commonly mounted as recited in independent claim 8.
- 4. As per claim 10 and dependent claim 11-16, the examiner found no reference in the prior art that disclosed or made obvious a radiation detection system comprising: a rigid multilayer wiring board on which a photodiode chip, switching chip and data acquisition chip are commonly mounted as recited in independent claim 10.
- 5. As per claim 17 and dependent claim 18, the examiner found no reference in the prior art that disclosed or made obvious a radiation detection system comprising: a first printed wiring board on which a photodiode chip and switching chip are mounted; a second rigid printed wiring board on which a data acquisition chip is mounted; and a connector for detachably connecting first rigid printed wiring board to the second rigid printed wiring board as recited in independent claim 17.
- 6. As per claim 20, the examiner found no reference in the prior art that disclosed or made obvious an X-ray CT apparatus comprising: a rigid printed wiring board on which a photodiode chip, switching chip and data acquisition chip are commonly mounted as recited in independent claim 20.

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7. As per claim 21, the examiner found no reference in the prior art that disclosed or made

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obvious an X-ray CT apparatus comprising: a rigid multilayer printed wiring board on which a

photodiode chip, switching chip and data acquisition chip are commonly mounted as recited in

independent claim 21.

8. As per claim 22, the examiner found no reference in the prior art that disclosed or made

obvious an X-ray CT apparatus comprising: a first printed wiring board on which a photodiode

chip and switching chip are mounted; a second rigid printed wiring board on which a data

acquisition chip is mounted; and a connector for detachably connecting first rigid printed wiring

board to the second rigid printed wiring board as recited in independent claim 22.

9. As per claim 23, the examiner found no reference in the prior art that disclosed or made

obvious a radiation detection system comprising: means for forming a detection element group,

data acquisition means and substrate into a multilayer structure as recited in independent claim

23.

10. As per claim 24, the examiner found no reference in the prior art that disclosed or made

obvious a radiation detection system comprising: means for integrating a scintillator block,

photodiode array, switch and data acquisition chip as recited in independent claim 24.

11. As per claim 25, the examiner found no reference in the prior art that disclosed or made

obvious an X-ray CT apparatus comprising: means for forming a radiation detector and at least

one of the data acquisition means and switch into a multilayer structure, as recited in independent

claim 25.

12. As per claim 26 and dependent claims 27-29, the examiner found no reference in the

prior art that disclosed or made obvious a radiation detection system comprising: a first substrate

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on which a detection element group is mounted; a second substrate on which a data acquisition

chip is mounted and connection means for connecting first and second substrates in a one-to-one

correspondence, as recited in independent claim 26.

13. As per claim 30, the examiner found no reference in the prior art that disclosed or made

obvious an X-ray CT apparatus comprising: connection means for connecting in a one-to-one

correspondence a first substrate on which an X-ray detector is mounted to a second substrate on

which a data acquisition means is mounted, as recited in independent claim 30.

14. Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Courtney Thomas whose telephone number is (571) 272-2496.

The examiner can normally be reached on M - F (9 am - 5 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ed Glick can be reached on (571) 272 2490. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Courtney Thomas Examiner Art Unit 2882 CT

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